

Cell as a Machine

Fall 2011

BioE 498: CRN 58243 | ME 498: CRN 58509

4 credit hours

Videotaped lectures from Singapore

Live Q & A Sessions on UIUC campus on Thursdays, 5:00-6:00pm CDT

Taught by Professors Michael Sheetz (Columbia University) and Harry Yu (National University of Singapore)

Local Instructor: Professor K. Jimmy Hsia, kjhsia@illinois.edu

Prerequisites: Basic Physical Chemistry, Calculus, Biology, Graduate standing or approval by advisor or department

Course Goals

- Understand basic cell functions and the physical and chemical principles underlying them.
- Solve a number of important problems relevant to replication, transcription, translation, translocation, motility, and other important functions.



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